



CLARIFICATION NO. 1

HUNNELL RD: LOCO RD TO TUMALO RD

Date: December 2, 2022
To: Bidding Documents Holders
From: Cody Smith, County Engineer

In response to inquiries made by Bidding Documents holders, Deschutes County Road Department (Agency) is providing the following clarification for the above-referenced Project:

Question 1: *The canal crossing at Butte has 15" DR17 HDPE listed. This material is only made in 14" and 16" which of those sizes will be required?*

Agency Response: The contractor shall use a 16" IPS DR17 HDPE pipe if the 15" size is not available.

Question 2: *The Swalley Irrigation District Development Handbook does not specify if the HDPE needs to be Iron Pipe Size (IPS) or Ductile Iron Pipe Size (DIPS). Since it is not specified can I assume that it is contractors choice? DIPS can be difficult to find on occasion.*

Agency Response: HDPE pipe used on this project is intended to have outside diameters consistent with those shown on the Plans, which corresponds with IPS sizing.

Question 3: *How much 3" pipe will be incidental to the canal crossing at Bowery?*

Agency Response: The contractor should expect to provide approximately 80 feet of 3" pipe, as shown on the Plan sheet CX02.

Question 4: *On the canal crossing for Elder plan sheet CX03 shows an 18" carrier sleeve for the 12" water line and a 10" carrier sleeve for the 4" irrigation line. Where are these carrier sleeves paid for? I didn't see a bid item for it in the water section and it wasn't listed as incidental for the canal crossing.*

Agency Response: According to Special Provision 00441.90, no separate payment is made for pipe. This includes pipe used for carrier sleeves.

Question 5: *ESC sheets; Grading & ESC Notes; Number 4 states; "Construct Type I Check Dams per ODOT STD Dwg RD1005. See Table on Sheet G07 for Station Range and Spacing". Please clarify this sheet reference should be G05.*

Agency Response: The Agency confirms that this reference should be plan sheet G05.

Question 6: *Note 3 under the Check Dam Data table on Sheet G05 indicates that check dams should have a height of 4". With only 4-inches of height and using 4"-1" rock, there may not be sufficient interlocking of the aggregate to function correctly - nor will the contractor be able to construct the sloping as shown in the profile on ODOT RD1005. Please clarify the County's intent.*

Agency Response: The Check Dam heights shall be in accordance with Oregon Standard Drawing RD1005. The Agency has removed Note 2 on plan sheet G05, which is addressed in Addendum No. 2.

Question 7: *Will Deschutes County provide an estimated quantity of tree removal required for the project for bidding purposes?*

Agency Response: The Agency will not provide an estimated quantity of tree removal. Clearing is intended to occur within the right-of-way limits indicated on the plans, and according to Special Provision 00320.40(b)(3).

Question 8: *Bid Item 011 - Subgrade Stabilization does not indicate a depth. Per section 00331 of the 2021 Oregon Standard Specifications for Construction, under Section 90 - payment - the accepted quantities of subgrade stabilization will be paid for at the contract unit price per square yard for item "____ Inch Subgrade Stabilization". The location where subgrade stabilization is expected was not shown on the contract plans. Please clarify.*

Agency Response: The depth of subgrade stabilization is 24 inches. This is addressed in Addendum No. 2.

Question 9: *What is Item 012 - Riprap Backing, specifically referring to in the contract plans? It does not appear to be directly called out.*

Agency Response: BI 012 - Riprap Backing refers to riprap geotextile installed at the S.I.D. Main canal crossing as shown on plan sheet CX04. Riprap Backing is described in Section 00390.43 of the 2021 edition of the Oregon Standard Specifications for Construction.

Question 10: *Please clarify how the "Conveyance Swale" will be paid for. See Sheet EC01; Note 3. Please confirm this will be paid for under bid item 010 general excavation.*

Agency Response: Excavation for construction of Conveyance Swales is included in the total quantity for BI 010 – General Excavation.

Question 11: *Will Deschutes County please provide a detail or reference pertaining to the casings required for several of the irrigation crossings along the project alignment? Specifically for the Bowery and Elder Crossings?*

Agency Response: Details pertaining to water line casings at the Elder crossing are shown on plan sheet C22.1. There are no water line casings proposed at the Bowery canal crossing.

Question 12: *Section 00330.92, "Kinds of Incidental Earthwork", of the Specials adds earthwork for driveways and approaches, water quality swale excavation, trench excavation, and guardrail terminals. Are these quantities included in the general excavation quantity or are they not measured and paid at all?*

Agency Response: Earthwork quantities associated with driveways/approaches, water quality swales, trench excavation, and guardrail terminals are incidental and are not included in the total quantity for BI 010 – General Excavation.

Question 13: *Are there dtm files available for bidding purposes?*

Agency Response: 3D Terrain models are not available for bidding purposes. The Agency has provided vector PDF plans as a Bid Reference Document as part of Addendum No. 1.

Question 14: *Did Item #11 - I haven't found a detail for the subgrade stabilization, can you direct me to it or let me know what the depth of the stabilization is?*

Agency Response: The depth of subgrade stabilization is 24 inches. This is addressed in Addendum No. 2.

Question 15: *Are the required clearing limits the R/W line, 10' from the cut/fill catch, or the clear zone (30' from the edge of traveled way)?*

Agency Response: Clearing is intended to occur within the right-of-way limits indicated on the plans, and according to Special Provision 00320.40(b)(3).

Question 16: *Question in regard to the Avion waterline on the Hunnel Rd. project. The plan notes 1 and 2 on sheet RD22.1 call for 12" and 4" Ductile Iron pipe. Avion Waters standard is C-900 PVC for water lines. Is the ductile iron being called out specifically for this project or are we to stick to the Avion standard?*

Agency Response: The ductile iron pipe as shown in the Plans has been approved by Avion Water Company for use on this project.

Question 17: *Bid item 056 is called out as a 12" Combination Air Release/Air Vacuum Valve. The detail shows a 1" valve based on a 12" line. Is this supposed to be a 1". I would think a 12" CARV would be way oversized and we would need a new detail for installation.*

Agency Response: This correction has been made in the Schedule of Bid Items and Special Provisions, and will be reflected in Addendum No. 2.

Question 18: *Bid item 051 is listed as 4" Potable Water. Is this supposed to include the irrigation line as well. Irrigation is typically not potable. If the irrigation line is not paid for under item 051 which bid item does pay for that irrigation pipe?*

Agency Response: Bid Item 051 - 4 Inch Potable Water Pipe, Fittings & Couplings w/ Restrained Joints and Class B Backfill includes the irrigation line shown on plan sheet RD22.1.

Question 19: *Is the water and irrigation pipe going through the HDPE casing on sheet RD22.1 supposed to have casing spacers and end seals or just push it through resting on the bottom of the casing pipe?*

Agency Response: The water and irrigation pipe shall have mechanical spacers on each length of pipe within the casing near the pipe joints to promote joint support and allow for serviceability. The HDPE casing shall be capped at each end to prevent debris from entering the casing.

Question 20: *Plan sheet RD25 has a water main note 4 at +/- station 262+25 in the profile. This is for a 1" water service. I do not see one in the plan view. Is this a typo or is there a water service at that location?*

Agency Response: This callout is erroneous. A revised plan sheet RD25 will be included in Addendum No. 2.

Question 21: *I could not locate the 2" tapping saddle and 2" copper water service for bid items 058 and 059. Can you tell me what plan sheets I would find those on?*

Agency Response: Plan sheet RD25 was revised to show callouts for these two items. These changes will be reflected in Addendum No. 2.

Question 22: *With regard to the casing: is it acceptable to use timber spacers with straps or will mechanical spacers be required? Also, is it acceptable to blow sand in the casing will CLSM or another flowable backfill required inside the casing?*

Agency Response: The water and irrigation pipe shall have mechanical spacers on each length of pipe within the casing near the pipe joints to promote joint support and allow for serviceability. The HDPE casing shall be capped at each end to prevent debris from entering the casing. It is not acceptable to fill the casing with sand, CLSM, or other flowable backfill material.